

FORD ANALYTICAL LABORATORIES

CHEMICAL AND BACTERIOLOGICAL ANALYSIS

DATE: 11/17/93
CERTIFICATE OF ANALYSIS

SL CO. WATER CONSERV
% ENG. - RICK SMITH
P.O. BOX 70
W. JORDAN, UT 84084

93-218400

SAMPLE: WATER SAMPLE COLLECTED 8-26-93 BY RICK SMITH RECEIVED
8-26-93 FOR ANALYSIS.
RECOVERY WELL R-2, 11:30

57-2524 n107 w 965

Salena Way

Results

Method Detection
Limit

Alkalinity CaCO3 mg/l EPA310.1	129 ✓	.50
Antimony Sb mg/l EPA 204.2	ND	.0010
Arsenic As mg/l EPA 200.9	ND	.003 _r
Barium Ba mg/l EPA 200.7	.074 ✓	.010
Beryllium Be mg/l EPA 200.7	ND	.0012
Bicarb. HCO3 mg/l SM4500-C02D	153 ✓	.1
Cadmium Cd mg/l EPA 213.1	ND ✓	.003 ✓
Calcium Ca mg/l EPA 200.7	43.5 ✓	.100
Carbon Dioxide CO2 mg/l SM4500-	115 ✓	.01
Carbonate CO3 mg/l SM4500-C02D	2.5 ✓	.10
Carbonate Solids mg/l	77.6 ✓	.30
Chloride Cl mg/l EPA 300 (1)	17.2 ✓	.50
Chromium Cr mg/l EPA 218.1	ND ✓	.0010
Chromium Cr.Hex mg/l EPA7196	ND ✓	.005
Cond. umhos/cm EPA 120.1	360 ✓	.1
Copper Cu mg/l EPA 220.1	ND ✓	.03

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CHEMICAL AND BACTERIOLOGICAL ANALYSIS

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93-218400

	Results	Method Detection Limit
Cyanide Cn tot. mg/l EPA 335.2	ND	.050
Fluoride, F mg/l EPA 300	.3 ✓	.05
Hardness, CaCO ₃ mg/l EPA 242	113 ✓	1.0
Hydrox. as OH mg/l SM4500-CO ₂ D	ND ✓	.10
Iron Fe mg/l EPA 236.1	ND ✓	.04
Lead Pb mg/l EPA 239.2	ND ✓	.003
Magnesium Mg mg/l EPA 200.7	11.3 ✓	1.00
Manganese Mn mg/l EPA 243.1	ND ✓	.020
Mercury, Hg mg/l EPA 245.1	ND ✓	.0002
Nickel Ni mg/l EPA 249.2	.002 ✓	.001
Nitrate NO ₃ -N mg/l EPA 300 (2)	1.27 ✓	.01
Nitrite NO ₂ -N mg/l EPA 354	ND ✓	.01
Phosphate PO ₄ -P mg/l EPA 300	ND	.10
Potassium K mg/l EPA 200.7	1.9 ✓	.16
Selenium Se mg/l EPA 270.2	ND ✓	.002
Silica SiO ₂ mg/l EPA 200.7	13 ✓	.30
Silver Ag mg/l EPA 272.1	ND ✓	.005
Sodium Na mg/l EPA 200.7	16.8 ✓	.500
Sulfate SO ₄ mg/l EPA 300	26.9 ✓	.5
Susp. Solids mg/l EPA 160.2	ND	1.0
Thallium Tl mg/l EPA 279.2	ND	.002

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93-218400

	Results	Method Detection Limit
Tot.Dis.Solids mg/l EPA 160.1	188 ✓	10.0
Turbidity NTU EPA 180.1	1.36 ✓	.50
Zinc Zn mg/l EPA 289.1	ND ✓	.018
pH Units EPA 150.1	7.2	

EPA METHOD 502.2
- REGULATED VOC ANALYSIS

1,1,2-Trichloroethane ug/l	ND	.50
1,2,4-Trichlorobenzene ug/l	ND	.50
1,2-Dichloroethane ug/l	ND	.50
111Trichloroethane ug/l	ND	.50
11Dichloroethylene ug/l	ND	.50
Benzene ug/l	ND	.50
C. Tetrachloride ug/l	ND	.50
Monochlorobenzene ug/l	ND	.50
Trichloroethylene ug/l	ND	.50
Vinyl Chloride ug/l	ND	.50
Xylene ug/l	ND	.50
p-Dichlorobenzene ug/l	ND	.50

~ SURROGATE RECOVERY %

~ s Bromochlorobenzene % 92

~ s Bromochloromethane % 94

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SL CO. WATER CONSERV
% ENG. - RICK SMITH
P.O. BOX 70
W. JORDAN, UT 84084

93-218380

SAMPLE: WATER SAMPLE COLLECTED 8-26-93 BY RICK SMITH RECEIVED
8-26-93 FOR ANALYSIS.
RECOVERY WELL R-1, 9:30

57-2524 52370 E 190

9800 So. 2300 E.

Results	Method Detection Limit
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Alkalinity CaCO3 mg/l EPA310.1	136✓	.50
Antimony Sb mg/l EPA 204.2	ND	.0010
Arsenic As mg/l EPA 200.9	ND✓	.003
Barium Ba mg/l EPA 200.7	.13✓	.010
Beryllium Be mg/l EPA 200.7	ND	.0012
Bicarb. HCO3 mg/l SM4500-C02D	161✓	.1
Cadmium Cd mg/l EPA 213.1	ND✓	.003
Calcium Ca mg/l EPA 200.7	52.5✓	.100
Carbon Dioxide CO2 mg/l SM4500-	121✓	.01
Carbonate CO3 mg/l SM4500-C02D	2.3✓	.10
Carbonate Solids mg/l	81.6	.30
Chloride Cl mg/l EPA 300	13.9✓	.50
Chromium Cr mg/l EPA 218.1	ND✓	.004
Chromium Cr.Hex mg/l EPA7196	ND✓	.005
Cond. umhos/cm EPA 120.1	382✓	.1
Copper Cu mg/l EPA 220.1	ND✓	.03

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93-218380

	Results	Method Detection Limit
Cyanide Cn tot.mg/l EPA 335.2	ND	.050
Fluoride, F mg/l EPA 300	.21 ✓	.05
Hardness, CaCO ₃ mg/l EPA 242	180 ✓	1.0
Hydrox. as OH mg/l SM4500-CO ₂ D	ND ✓	.10
Iron Fe mg/l EPA 236.1	ND ✓	.04
Lead Pb mg/l EPA 239.2	ND ✓	.003
Magnesium Mg mg/l EPA 200.7	11.9 ✓	.100
Manganese Mn mg/l EPA 243.1	ND ✓	.020
Mercury, Hg mg/l EPA 245.1	ND ✓	.0002
Nickel Ni mg/l EPA 249.2	ND ✓	.001
Nitrate NO ₃ -N mg/l EPA 300	.99 ✓	.01
Nitrite NO ₂ -N mg/l EPA 354	ND ✓	.01
Phosphate PO ₄ -P mg/l EPA 300	ND	.10
Potassium K mg/l EPA 200.7	3.19 ✓	.16
Selenium Se mg/l EPA 270.2	ND ✓	.002
Silica SiO ₂ mg/l EPA 200.7	16.5 ✓	.64
Silver Ag mg/l EPA 272.1	ND ✓	.005
Sodium Na mg/l EPA 200.7	16.1 ✓	.500
Sulfate SO ₄ mg/l EPA 300	35.4 ✓	.5
Susp. Solids mg/l EPA 160.2	ND	1.0
Thallium Tl mg/l EPA 279.2	ND	.004

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CERTIFICATE OF ANALYSIS

93-218380

	Results	Method Detection Limit
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Tot.Dis.Solids mg/l EPA 160.1	204 ✓	10.0
Turbidity NTU EPA 180.1	.79 ✓	.50
Zinc Zn mg/l EPA 289.1	ND ✓	.018 <15
pH Units EPA 150.1	6.7 ✓	
EPA METHOD 502.2		
- REGULATED VOC ANALYSIS		
1,1,2-Trichloroethane ug/l	ND	.50
1,2,4-Trichlorobenzene ug/l	ND	.50
1,2-Dichloroethane ug/l	ND	.50
111Trichloroethane ug/l	ND	.50
11Dichloroethylene ug/l	ND	.50
Benzene ug/l	ND	.50
C. Tetrachloride ug/l	ND	.50
Monochlorobenzene ug/l	ND	.50
Trichloroethylene ug/l	ND	.50
Vinyl Chloride ug/l	ND	.50
Xylene ug/l	ND	.50
p-Dichlorobenzene ug/l	ND	.50
~ SURROGATE RECOVERY %		
~ s Bromochlorobenzene %	84	
~ s Bromochloromethane %	111	

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